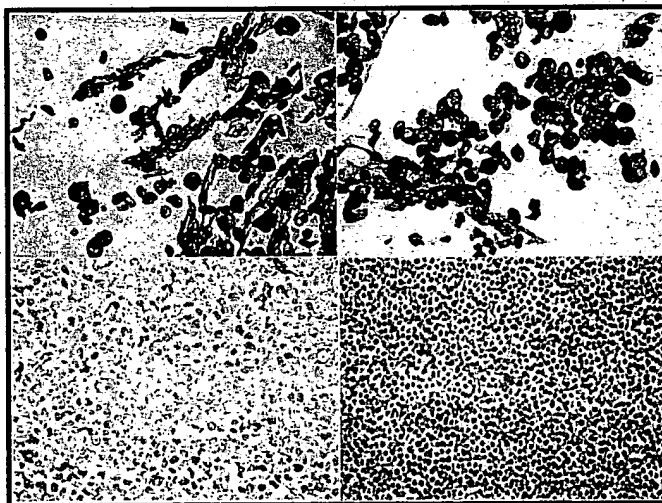




**Figure 1. Top. Anti H460-23 at 3.0  $\mu\text{g/ml}$ .** Immunohistochemical stain of NCI-H360 cell pellet formalin-fixed, paraffin-embedded. It shows cells stained H460-23 in the membrane (black arrows), in the cytoplasm (gray arrows), and perinuclear (blue arrows)

**Bottom. Anti H460-23 at 3.0  $\mu\text{g/ml}$ .** Top of the image, NCI-H360 cell pellet formalin-fixed, paraffin-embedded positive stained. Bottom of the image: IHC stain of Jurkat cell pellet formalin-fixed, paraffin-embedded negative



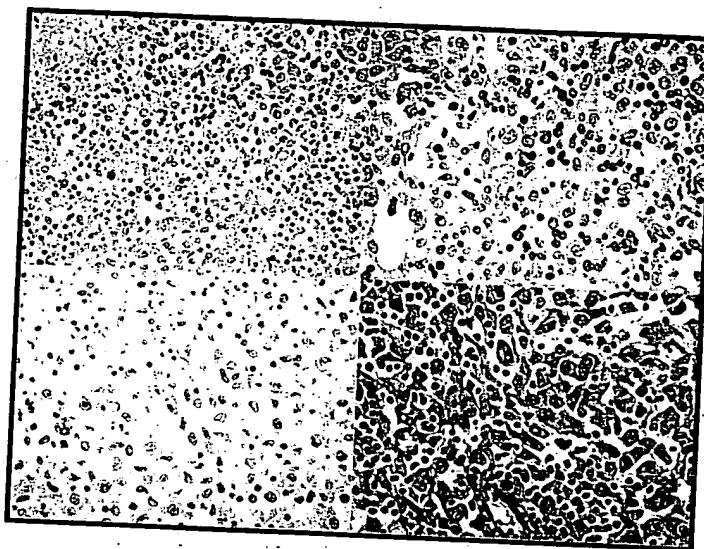
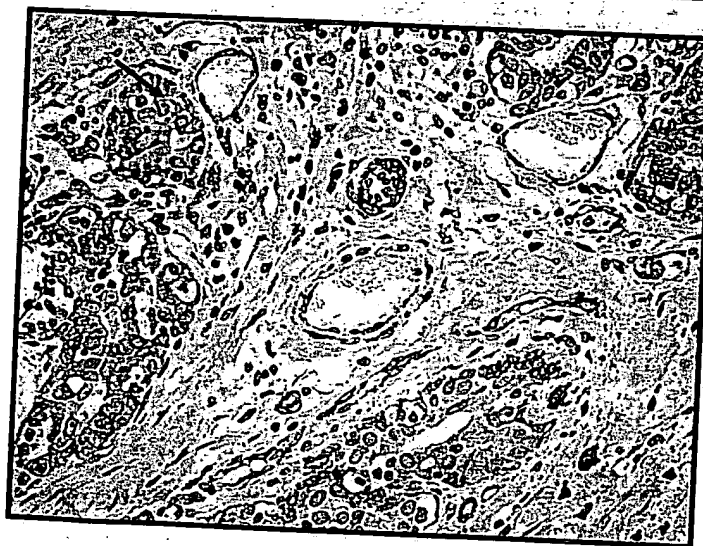
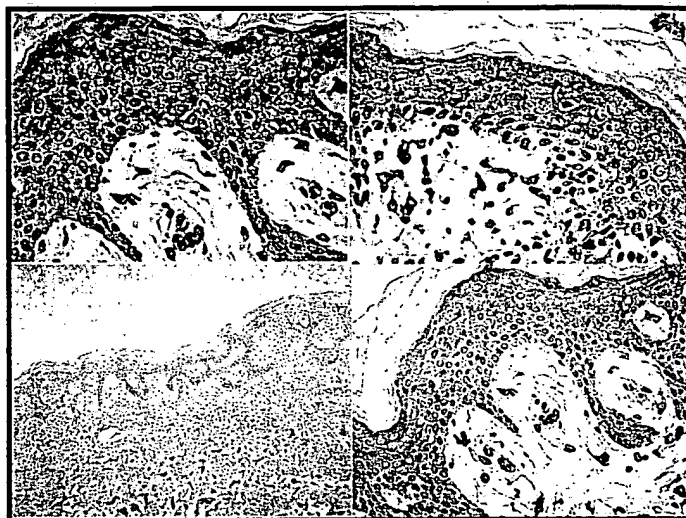


Figure 9. Top. *Anti H460-23 at 3.0 µg/ml*. Melanoma metastasis to breast. It shows stain on tumor cells into cytoplasm and also inflammatory cells stain strong dark. Bottom left control negative and right H&E Bottom. Breast tissue with tumor cell invasion in epithelial glands. Strong cytoplasmic staining ( blue arrows).





**Figure 8. Top. Anti H460-23 at 3.0 µg/ml. Normal skin.** It shows stain on keratinocytes, endothelial cells and lymphocytes. Its appears to be confined to the cytoplasm and perinuclear membrane. Bottom left of top image is the IgG negative control demonstrating little background.

**Bottom. A nodular invasive melanoma** appears light stained in the tumor cell membrane and cytoplasm. Lymphocyte are strongly stained. The skin margin of the tumor are also positive for 5LAC20 and they show a cytoplasmic and perinuclear stain (blue arrows)

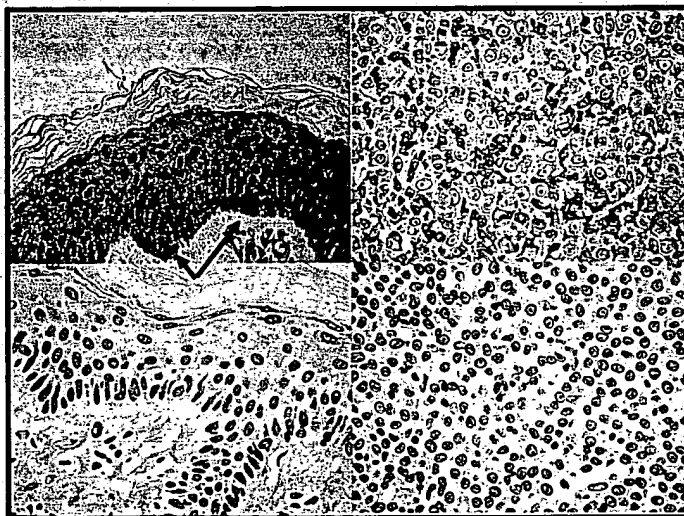




Figure 7. Top. *Anti H460-23 at 3.0 µg/ml*. Normal breast ducts. It shows a light stain epithelial cytoplasm however lymphocytes and blood vessel appears to be strong stained.  
 Bottom. Non neoplastic breast epithelia appear light stained in the cytoplasm and lymphocyte are dark brown (blue arrows)





**Figure 6. Top. Anti H460-23 at 3.0 µg/ml. Colon Carcinoma.** It shows positives stained tumor cells and also stromal cells. H460-23 appears to be negative in normal glandular epithelia (blue arrows). Negative control bottom left.

**Bottom.** Inflammatory cells positive in the lamina propria of normal glands (blue arrows). Tumor glands stained positives (black arrow) and inflammatory cells are stained strongly (blue arrows). Negative control bottom left.

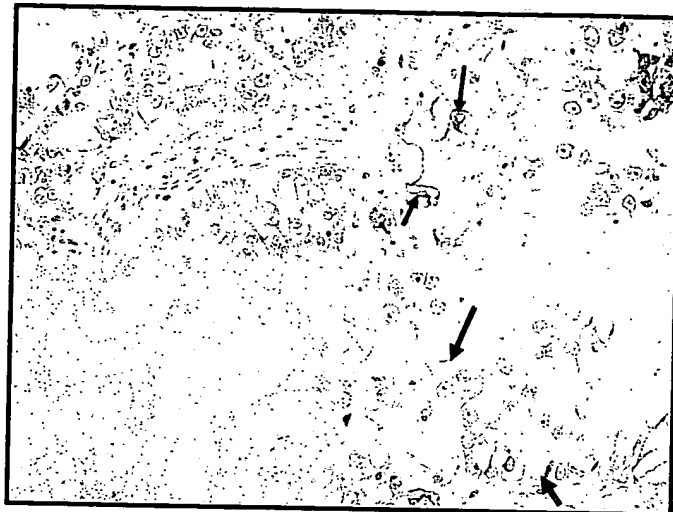




**Figure 5. Top. Anti H460-23 at 3.0 µg/ml. High grade prostate carcinoma is positive. Negative control bottom left.**

**Bottom. Carcinoma of ovary is strong positive membrane and cytoplasm stained. Negative control bottom left.**

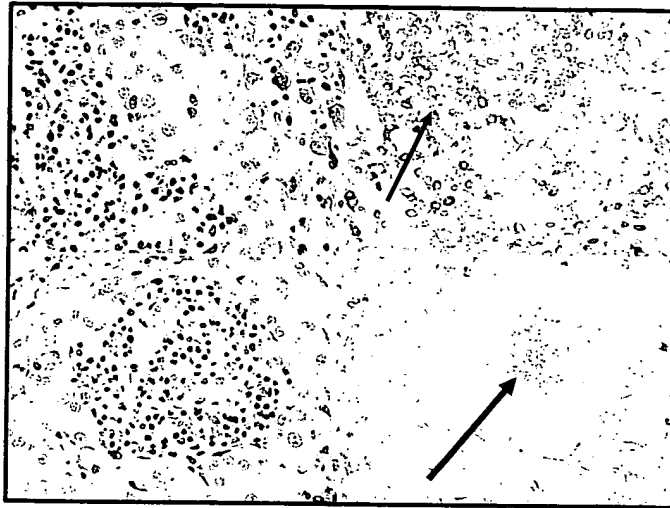




**Figure 4. Top. . Anti H460-23 at 3.0 µg/ml. Large cell Lung carcinoma is stained positive in the membrane (gray arrow), cytoplasm (black arrow) and perinuclear (blue arrows).**

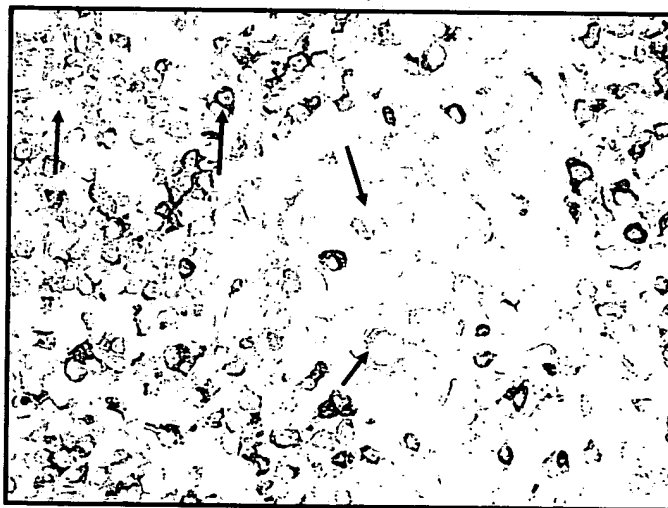
**Bottom. H460-23 at 3.0 µg/ml. Adenocarcinoma of lung. It shows a quite light cytoplasmic staining. The inflammatory cells are also positive for H460-23.**



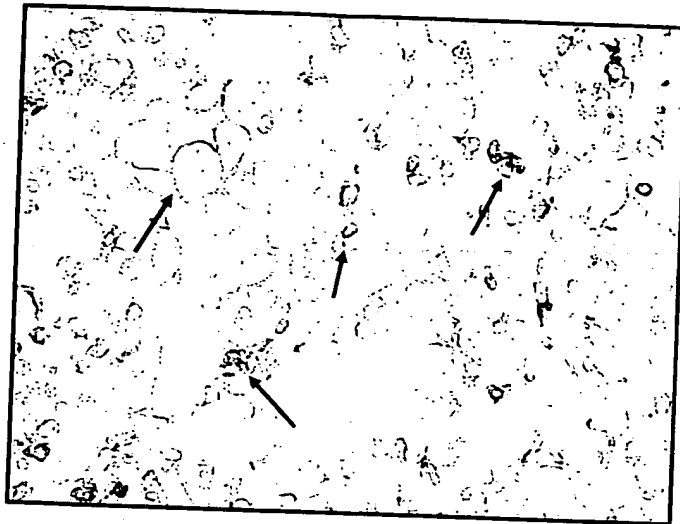


**Figure 3. Top. Anti H460-23 at 3.0  $\mu\text{g}/\text{mL}$ . Breast tumor with abundant inflammatory cells. The top of this image shows H&E (left) and Tumor cells stained with H460-23 and also lymphocytes stained positives (blue arrow) on right. However (bottom image) next area shows tumor cells positive and lymphocytes negative (black arrow).**

**Bottom. Anti H460-23 at 3.0  $\mu\text{g}/\text{mL}$ . Breast tumor with abundant inflammatory cells. It shows tumor cells positives (blue arrows) light brown membrane and cytoplasm stained. In contrast subset of lymphocytes stained dark brown (green arrow) while other are negative (red arrow).**







**Figure 2. Top.** *Anti H460-23 at 3.0 µg/ml. Poorly differentiated breast carcinoma.* H460-23 stains tumor cell, cell membranes (black arrows), and cytoplasm a light brown.. Inflammatory (lymphocytes) cells are seen in the middle of the tumor cell region. They also appear to be labeled with a dark brown color (blue arrows) in the cytoplasm demonstrating positivity with H460-23 (black arrow).

**Bottom.** It shows different magnification and also difference intensity of the stained cells. The stroma shows invasive tumor cells positive and also lymphocytes. The bottom left of this image shows the negative control.

